KRIDL AEE

278/2017-18,

ಪುಸ್ತಕ ಬಿ.ಆರ್.

ದಿನಾಂಕ: 14.02.2018 ರಂದು

ಪುಟ 427701 ರಿಂದ 427800 ರ

ವರೆಗೆ ಪೂರ್ಣಗೊಂಡಿದೆ,

14/02

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore-560092

14/02

14/02

M. A. R. 57 (Rule 116)
Measurement Book

No. B

427701

Serial No. Main-bill: 1st & part bill

Name of Work Improvements to roads ~~From~~ and drains in ~~To~~ Venkatappa layout in ward 7 in Kodigehalli sub-division.

Name of Contractor of nature of Agency M/s KRIDL

Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Est cost:-	Rs. 50.00 lakhs					
	Job-number:-	007-17-000041					
	Head of account:-	P2178					
	A.S. No:-	AS/EE/BTP/139/17-18, dt: 22-12-17.					
	T.S. No:-	TS/CE(YNK)/539/17-18, dt: 12-01-18					
	Agg no:-	No. EE/BTP/Agg/ /17-18, dt:					
	Work order no:-	No. BBMP/EE/BTP/WO/88/17-18, dt: 02-03-18,					
	Work order amount:-	Rs. 4998863/- (including KRIDL charges)					
	Date of recording:-	15-06-18					

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AEE

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item NO 01:-						
	Earthworks in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and left upto 1.5m excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.						
	Qty vide page no. 4241 | 424090 →					356.76 cum	
	At the rate of Rs. 166.42 →						59372.60
	Item NO 10:-						
	loading and unloading sand | Kanker | moorum. Placing dipper at loading point loading with	of stone boulder | stone aggregates |					

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	front end loading, dump haulage and return trip
	Qty vide page
	At the rate o
	Item NO 02:-
	Scarifying existin their bituminous surfac old serviceable materia salvaged aggregates consolidating as per

KRIPL
AEE

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
		in ordinary soil for levelling	
r		than foundation of buildings,	
e		lines and cables) and	
ve		not exceeding 50m and	
d		and neatly dressed,	
re		aking of clods and neatly	
		→ 356.76 cum	59372.00
		oulder | stone aggregates |	
		loading point loading with	

1/1

M. A. R. 57 (Rule 116)
Measurement Book

No. B

427702

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	front end loading, dumping turning for return trip, excluding time for haulage and return trip complete.,						
	Qty. vide page no. 4241/4240 90 →					356.76 cum	
	At the rate of Rs. 106.00 →						37816.50
	Item No. 02:-						
	Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with load of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications.,						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide page no. 4241	4241	424091 →		499.20 sqm		46036.20
	At the rate of Rs. 92.22 →						
	Item No.04:-						
	Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms th, well compacted in foundation and plinth, including cost of all materials, labour, tion of machinery, curing complete as per specifications.,						
	Qty vide page no. 4241	4241	424093 →		355.68 cum		1834960.20
	At the rate of Rs. 5159.02 →						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Item No.06:-
	Providing TMT cutting, bending, hoo wherever required, d members wherever ne tion of machinery Qty vide page n At the rate of R

KRIPL
ABE

Contents	Reference to last Measurement
7	8
20 sqm	46036.20
ment concrete of nominal granite metal machine screed th, well compacted materials, labour, fications.,	
68 cum	1834960.20

M. A. R. 57 (Rule 116)
Measurement Book

No. B 427703

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.06:- Providing TMT steel reinforcement for RCC works including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design, cost of materials, labour, TOM of machinery complete as per specifications., Qty vide page no. 4241 | 424093 → ~~0.998~~ tonne 0.998 mt At the rate of Rs. 6424342 →						6414.93 6,41149.30

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.07:-						
	Providing and removing centering, shuttering, struting, propping etc., for columns, pillars, piers, abutments, post and struts, square/rectangular slabs/side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer-in-charge.						
	Qty vide page no 4241/4240 94 →				148.80 sqm		
	At the rate of Rs. 387.96 →						57728.45
	Item No.08:-						
	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregate						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	@ 0.459 cum with superp concrete laid in layers n foundation plinth and retaining walls returns columns piers abutment courses parapets copin including cost of all ma RCC-drain-pillekamma
	Bottom:- 0-13
	13-20

epth 6	Contents 7	Reference to last Measurement 8
	huttering, strutting, butments, post and struts, n en plan including cost of ion and directions of the	
	48.80 sqm	57728.45
	orced cement concrete of th 20mm and down size 0.878 cum and fine aggregate	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 427704

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	@0.459 cum with superplastizers @3lts conforming to IS, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase tirtles, retaining walls return wall, walls (any thickness) including attached pilasters columns piers abutments pillars posts struts butresses string or lacing courses parapets copings, bead blocks, plain windows cills fillets etc, including cost of all materials labour HOM of machinery curing complete. Rec-drain - pillekamma temple street.						
	Bottom:- 0-13	01	13.0	0.60	0.15	= 1.17	
	13-20	01	7.0	0.60	0.15	= 0.63	
						1.80	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	20-50	01	30.0	0.60	0.15	= 2.70	
	50-62	01	12.0	0.60	0.15	= 1.08	
						5.58 cum	
						Abstract.N.D AE(Civil)	
	SIDE-WALL:-						
	0-13	1X2=2	13.0	0.15	0.60	= 2.34	
	13-20	1X2=2	7.0	0.15	0.60	= 1.26	
	20-50	1X2=2	30.0	0.15	0.60	= 5.40	
	50-62	1X2=2	12.0	0.15	0.60	= 2.16	
						11.16 cum	
	Ramp for old culvert:-	01	7.0	1.50	0.10	= 1.05	
				Total=		17.79 cum	113352.00
	At the rate of Rs. 6371.66 →					Abstract.N.D AE(Civil)	

17.79

Serial No. .....
Name of Work .....
Name of Contractor of nature of
Date of commencement of work

Date	Full description, etc, o
1	2
	Item No.09:- Providing a reinforced cement size including mixed concrete of all materials covering slab fo

pth 6	Contents 7	Reference to last Measurement 8
15 =	2.70	
5 =	1.08	
	5.58 cum	
	Abstract N.D	
60 =	2.54 AE(WI)	
0 =	1.26	
0 =	5.40	
60 =	2.16	
	11.16 cum	
10 =	1.05	
=	17.79 cum	113352.00
	Abstract N.D AE(WI)	

17.79

KRIPL AEE

M. A. R. 57 (Rule 116)
Measurement Book

No. B 427705

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Item No. 09:-						
	Providing and fixing 10cm thick pre-cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centering, shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15cm thick well compacted cost of all materials labour curing complete as per specifications.						
	covering slab for RCC drain:						
	0-13	20	-	0.75	0.60	= 9.0	
	13-20	10	-	0.75	0.60	= 4.50	
	20-50	42	-	0.75	0.60	= 18.90	
	50-62	20	-	0.75	0.60	= 9.0	

41.40

KRIPL AGE

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	41.40	
1	2	3	4	5	6	7	8
				Total =		41.40 sqm	
	Qty bld to	41.25 sqm					
	At the rate of Rs.	2100.00 →					86625.00
	Item No.03:-						
	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc, complete,						
	Venkatappa layout:-						
	1st cross:- 0-30	02	30.0	0.45	-	= 27.0	
	30-60	02	30.0	0.45	-	= 27.0	
	60-90	02	30.0	0.45	-	= 27.0	
	90-120	02	30.0	0.45	-	= 27.0	
	120-140	02	20.0	0.45	-	= 18.0	
						126.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of wor
1	2
	2nd cross:- 0- 30- 60- 90- 120-
	3rd cross:- 0- 30- 60- 90-

KRIPL
AEE

Contents	Reference to last Measurement
41.40	
7	8
41.40 sqm	
	86625.00
ty roughly dressed	
curing etc, complete.,	
27.0	
27.0	
27.0	
27.0	
18.0	
126.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 427706

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work		Dimensions				Contents 126.00	Reference to last Measurement
			Number	Length	Breadth	Depth		
1	2		3	4	5	6	7	8
							= 126.0 sqm	
	2nd cross:	0-30	02	30.0	-	0.45	= 27.0	
		30-60	02	30.0	-	0.45	= 27.0	
		60-90	02	30.0	-	0.45	= 27.0	
		90-120	02	30.0	-	0.45	= 27.0	
		120-140	02	20.0	-	0.45	= 18.0	
							126.0 sqm	
	3rd cross:	0-30	02	30.0	-	0.45	= 27.0	
		30-60	02	30.0	-	0.45	= 27.0	
		60-90	02	30.0	-	0.45	= 27.0	
		90-120	02	30.0	-	0.45	= 27.0	

360

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	120-135	02	15.0	-	0.45	= 13.50	
						121.50 Sqm	
				Total =		373.50 Sqm	
	At the rate of Rs. 665.68 →						248631.45
	Item No.05:-						
	Cement concrete pavement. construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type.,						
	Venkatappa layout:			B_1	B_2	Avg.B	D
	1st cross:- 0-30	01	30.0	(7.1 + 6.6)		= 6.85	0.10 = 20.55
	30-60	01	30.0	(6.6 + 6.2)		= 6.40	0.10 = 19.20
	60-90	01	30.0	(6.2 + 6.0)		= 6.10	0.10 = 18.30

58.05

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	90-120
	120-140
	2nd cross:- 0-30
	30-60
	60-90
	90-120
	120-148
	3rd cross:- 0-30
	30-60.

epth 6	Contents 7	Reference to last Measurement 8
45 =	13.50	
	121.50 Sqm	
	373.50 Sqm	
		248631.45
of un-reinforced plain		
gn, over a prepared sub		
B_2	Avg. B	D
.6) =	6.85	0.10 = 20.55
.2) =	6.40	0.10 = 19.20
.0) =	6.10	0.10 = 18.30
		58.05

M. A. R. 57 (Rule 116)
Measurement Book

No. B

427707

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2		Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		90-120	01	30.0	(6.0 + 7.0) =	6.50	0.10 =	19.50
		120-140	01	20.0	(7.0 + 6.2) =	6.60	0.10 =	13.20
								90.75 cum
	2nd cross:-	0-30	01	30.0	(6.80 + 7.0) =	6.90	0.10 =	20.70
		30-60	01	30.0	(7.00 + 7.0) =	7.0	0.10 =	21.06
		60-90	01	30.0	(7.00 + 6.40) =	6.70	0.10 =	20.10
		90-120	01	30.0	(6.40 + 6.50) =	6.45	0.10 =	19.35
		120-148	01	28.0	(6.50 + 7.00) =	6.75	0.10 =	18.90
								100.05 cum
	3rd cross:-	0-30	01	30.0	(7.20 + 7.50) =	7.35	0.10 =	22.05
		30-60	01	30.0	(7.50 + 6.10) =	6.80	0.10 =	20.40
								233.25

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	60.89	01	29.0	(6.10 + 5.30) =	5.70	+ 0.16 =	16.53
							58.98 cum
						Total =	249.78 cum
	Qty as per MB 249.60 cum						249.60
	Amt as per S.S.R.	5508.82 →					1375001.45
				Grand total =			39236.38.18
		Add		10% KRIDL charges		=	392363.82
		Add		1% labour cess		=	39236.38
				Total =			4355238.38

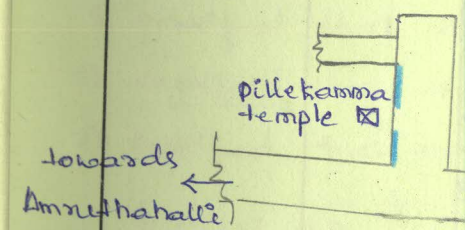
Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Ashalli.N.D
AE(W7)

15/06/18

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wor
1	2



Ashalli.N.D
AE(W7)

KRIPL
AEE

Contents 7	Reference to last Measurement 8
= 5.70	- 0.16 = 16.53
	58.98 cum
otal = 249.78 cum	
249.60	
	1375001.45
36.38.18	
2363.82	
236.38	
55 238.38	

1/1

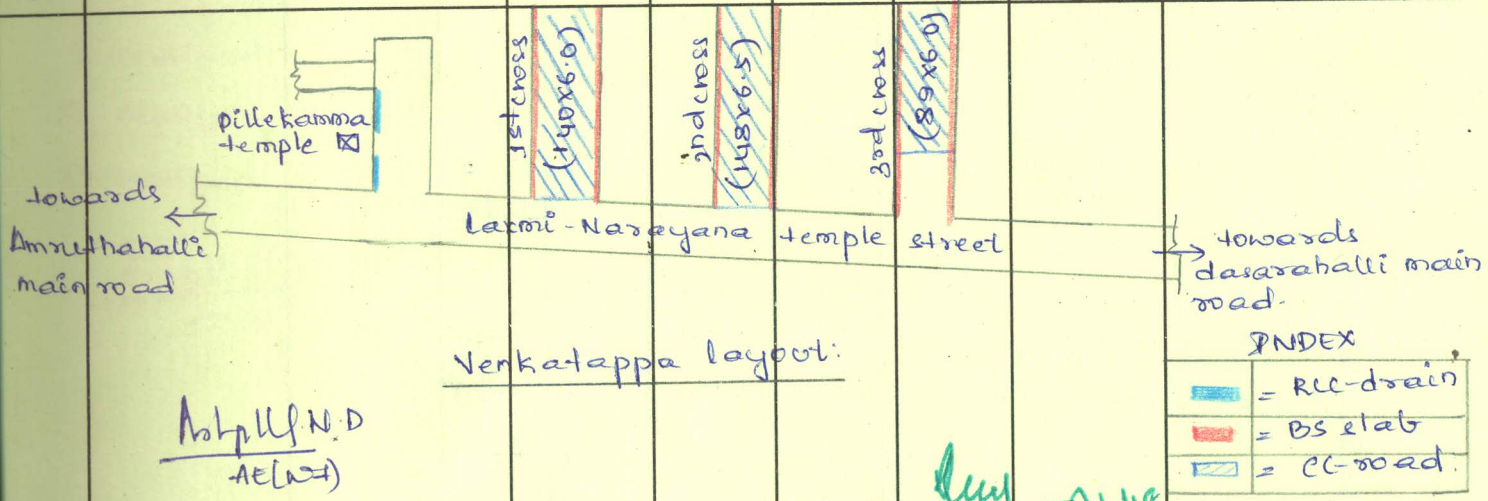
M. A. R. 57 (Rule 116)
Measurement Book

No. B 427708

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

N

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8



Verkatappa layout.

Abstract N.D
AE(WT)

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2 Royalty charges:	3 coarse	4	5 fine	6	7	8
Sl no.	Details.	coeff	qty	coeff	qty.		
04.	40mm = 355.68 cum	0.96	341.45	0.48	170.70		
08.	20mm = 17.79 cum	0.90	16.01	0.45	8.0		
09	~~10cm slab~~ = ~~41.25 x 0.1 = 4.125~~		-				
05	20mm = 249.60 cum.	0.85	212.16	0.416	103.83		
	Total:=		569.62		282.53		
	Abstract:-						
	1) coarse aggregates:	569.62 x 108	=	61518.96			
	2) fine aggregates:	282.53 x 103	=	29100.59			
				90619.55			

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2 certificate:-
1)	certified that the
2)	certified that the
3)	certified that the

Abstly. N.D
AE (WZI)

Assistant Ex
Byatarayanap
KRIDL, Be

	Contents	Reference to last Measurement
pth 6	7	8
y.		
.70		
0		
3.83		
32.53		
3.96		
.59		
9.55		

KRIDL AEE

M. A. R. 57 (Rule 116)
Measurement Book

No. B 427709

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	certificate:-						
	1) Certified that the contractor has completed the work satisfactorily.						
	2) Certified that the debris has been removed from the work spot.						
	3) Certified that the work is not repeated under any other grants.						
	Applly. N.D AE (WZ)						
	Assistant Executive Engineer Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P. Bangalore.						
	Assistant Executive Engineer Byatarayanapura Sub-Division KRIDL, BBMP, Bangalore						

KRIPL
AEE

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Reference to last Measurement
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	8
	ಅಳತೆ ಪುಸ್ತಕದ ಪುಟ ಸಂ. 4355238--					
	ಗಳಿಸಿದ ಪಾವು ಮಾಡಿದ : ಇತರರಲ್ಲಿ ಪುಟ 4.03,442--					
	ಪುಟಾಂತರ ಮಾಡಿರುವುದು ಉಳಿದ ಮೊಬಲಗು 39.51,796--					
	ರೂ: Thirty nine Lakh fifty one Thousand seven hundred ninety six only.					
	ಚೆಕ್ ಮುಖಾಂತರ ಸಂದಾಯವಾಗಿದೆ					
	[illegible] 17/7					
	17/7					

Total Rs: 4355238-00

IT	87105-00
Cess	43552-00
CBF	4355-00
LR	4969-00
FSD	217761-00
Fine	1050-00
Addn.	4.03,442-00
Chargey	39.51.796-00

Serial No. Premeasurements:
Name of Work Improvements of ro
Name of Contractor of nature of Agency
Date of commencement of work ↳ Sam

Date	Full description, etc, of work
1	2
	Est cost:
	A.S.NO:
	T.S.NO:
	Modified agreement no:
	Modified workorder:
	Old work order:
	Approved tender amount:
	Date of commencement: